

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) An antenna, comprising a first group of part-spherical dielectric lenses each supported on a first, substantially annular portion of a conducting ground plane surrounding a well-like portion of the antenna ~~arranged to reflect signals emerging from the lens~~, each of the lenses of the first group having a plurality of associated switchably selectable antenna feed elements disposed around the periphery of the lens ~~at least one sector of the lens~~ for injecting signals into and/or receiving signals ~~propagated by~~ emerging from at least one sector of the lens, wherein ~~each lens~~ lenses of the first group and ~~the~~ their associated feed elements ~~of the first group has a~~ have different ~~orientation~~ orientations and ~~is~~ are operable to provide coverage in respect of a different ~~region~~ regions, and a second group of one or more spherical or part-spherical dielectric lenses and associated switchably selectable antenna feed elements located within said well-like portion of the antenna, oriented and operable to provide coverage to a region other than ~~that~~ those covered by lenses of the first group.

Claim 2 (Cancelled)

3. (Currently Amended) An antenna according to Claim 2 1, wherein the second group of one or more lenses comprises a spherical lens, located within said well-like portion of the antenna.

4. (Currently Amended) An antenna according to Claim 1 ~~or Claim 2~~, wherein the conducting ground plane further comprises a second portion inclined differently

to the first portion, and wherein the second group of one or more lenses comprises at least one part-spherical lens supported by the second portion of the ground plane.

5. (Original) An antenna according to Claim 4, wherein the second portion of the ground plane is arranged to form the side-walls of said well-like portion.

6. (Currently Amended) An antenna according to ~~any one of claims 1 to 4~~ claim 1, wherein the first portion of the ground plane surrounds a substantially square well-like portion and wherein the first group of one or more lenses comprises four part-spherical lenses disposed with substantially equal spacing around the well-like portion.

7. (Currently Amended) An antenna according to Claim 6 ~~when dependent upon Claim 5~~, wherein the second group of one or more lenses comprises four part-spherical lenses each one supported on a different side-wall of the well-like portion.

8. (Currently Amended) An antenna according to Claim 4 ~~or Claim 5~~, wherein the conducting ground plane further comprises a third portion inclined differently to the first and second portions and wherein the antenna further comprises a third group of one or more part-spherical dielectric lenses, each having a plurality of associated switchably selectable antenna feed elements, supported by the third portion of the conducting ground plane and operable to provide coverage to a different region to those covered by the first and second groups of lenses.

9. (Currently Amended) An antenna according to ~~any one of the preceding claims~~ claim 1, wherein each of said antenna feed elements is located at a point on the focal surface of the respective dielectric lens.

10. (Currently Amended) An antenna according to ~~any one of the preceding claims~~ claim 1, further comprising a switching network operable to select one or more of the antenna feed elements associated with said groups of lenses.

11. (Currently Amended) An antenna according to Claim 10, wherein said switching network is a binary switching array.

12. (Currently Amended) An antenna according to ~~any one of the preceding claims~~ claim 1, further comprising a frequency-selective surface arranged to provide an enclosure for said lenses of the antenna and operable to permit passage of signals used by the antenna but to absorb or reflect other signals.

13. (Original) An antenna according to Claim 12, wherein said frequency-selective surface is arranged to have an aerodynamically low-drag profile.

14. (Currently Amended) An antenna according to ~~any one of the preceding claims~~ claim 1, operable to provide simultaneously a plurality of independent radiation beams in different directions.